

# XPRESS BOARD HD

TECHNICAL DATA SHEET  
140210SCAN1E  
(supersedes 130530SCAN1E)

## DESCRIPTION

**XPRESS BOARD HD** is a high performance panel composed of SBS modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on a high density mineral fibre (rock wool) board. The surface is covered with a thermofusible plastic film.

**XPRESS BOARD HD** panel is used as an insulation overlay board or as a recovery board.

Note: When mineral fibre (rock wool) thermal and vapor barrier are required, **XPRESS VAP'R BOARD** must be installed.

## INSTALLATION

### HOT BITUMEN

**XPRESS BOARD HD** panel is intalled in a bed of hot bitumen applied with a mop.

### ADHESIVE

**XPRESS BOARD HD** panel is adhered with **DUOTACK** adhesive **only**.

### MECHANICALLY FASTENED

**XPRESS BOARD HD** panel is mechanically fastened to steel deck with **SOPRAX** screws and plates.

- Mechanical fasteners must be installed on the distinctive line of the membrane side selvedge.
- On a steel deck, fasteners must be installed on the upper part of the steel ribs. Install membranes perpendicular to the ribs.

\* For more details about the required number of adhesive or mechanical fasteners, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21-10 or publications according to FM 4470 (RoofNav Database) including recommendations for corners and perimeters listed in the PLPDS 1-29 from Factory Mutual.

### DUO SELVEDGE

Over the entire width of **DUO SELVEDGE**, 60 % of the surface is self-adhesive, which protects components under the base sheet. The remaining surface of the selvedge (40 %) is covered by a thermofusible plastic film to seal overlap by heat-welding with a propane torch or with the **SOPRAMATIC** automatic hot-air welder.

**FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.**

## PACKAGING

Specifications	XPRESS BOARD HD
Total thickness (Membrane & Board)	14.7 mm (> 9/16 in)
Membrane reinforcement	Non-woven polyester
Insulation dimensions	0.914 m x 4.88 m (3 ft x 16 ft) 0.914 m x 2.44 m (3 ft x 8 ft)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Mineral fibre (rock wool)
Units per pallet	Varies depending of the panel thickness specified.

Others **XPRESS BOARD HD** dimensions are available upon request.



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## PROPERTIES

As per CAN/CGSB-37.56-M 9<sup>th</sup> draft

Properties	XPRESS BOARD HD (Membrane)
Membrane thickness	2.2 mm (86.6 mils)
Weight/m <sup>2</sup>	2.7 kg/m <sup>2</sup> (0.55 lb/ft <sup>2</sup> )
Breaking strength, MD XD	17.0 / 12.5 kN/m
Ultimate elongation, MD/XD	60 / 65 %
Tear strength	60 N
Static puncture resistance	400 N
Dimensional stability	-0.4 / 0.3 %
Plastic flow	≥ 115 °C (239 °F)
Cold bending at -30 °C (-22 °F)	No cracking
Lap joint strength	Pass > 4 kN/m

(All values are nominal)

Properties	Standards	High density mineral fibre board insulation
Board thickness	-	12.5 mm to 125 mm (1/2 in to 5 in)
Thermal resistance (RSI Value - for 25.4 mm at 24 °C (75 °F))	ASTM C 518 (C 177)	0.70 m <sup>2</sup> K/W (R – 4.0 hr • ft <sup>2</sup> • °F / BTU for 1 in at 24 °C (75 °F))
Compressive strength at 10 %, at 25 %, 25.4 mm (1 in) thickness	ASTM D 165	85 kPa (12 psi) 190 kPa (28 psi)
Density	ASTM C 612-09	200 kg/m <sup>3</sup> (12.5 lb/ft <sup>3</sup> )
Dimensional stability, Linear shrinkage 24 hours at 650 °C (1200 °F)	ASTM C 356	1.1 %
Water absorption	ASTM C 209	1,2 %
Water vapor sorption	ASTM C 1104	0.29 %

(All values are nominal)



SYSTÈME QUALITÉ  
**ISO 9001**  
QUALITY SYSTEM



SYSTÈME ENVIRONNEMENT  
**ISO 14001**  
ENVIRONMENT SYSTEM